# Recommendation Systems - 1 [ML-2]

- -> Introduction
- -> A priori Algorithm

TT - Sth Nov

Can you give examples of nec. Sys? > E - COMMOTICE Ly Customois who bought this also bought ----Lo Similar products -> Social media L) You may also know.... -> Feed: La Similer posts / blogs / news > invications ple ca videos / songs , senul edge
Instagnan, netflix, spotiby, youtube

Poll: Can ce search algo like I goagle search!

be interpreted as a rec sys??

d) VES

6) NO

1 min nec - Sys

In bacebook, you get suggestions such as!

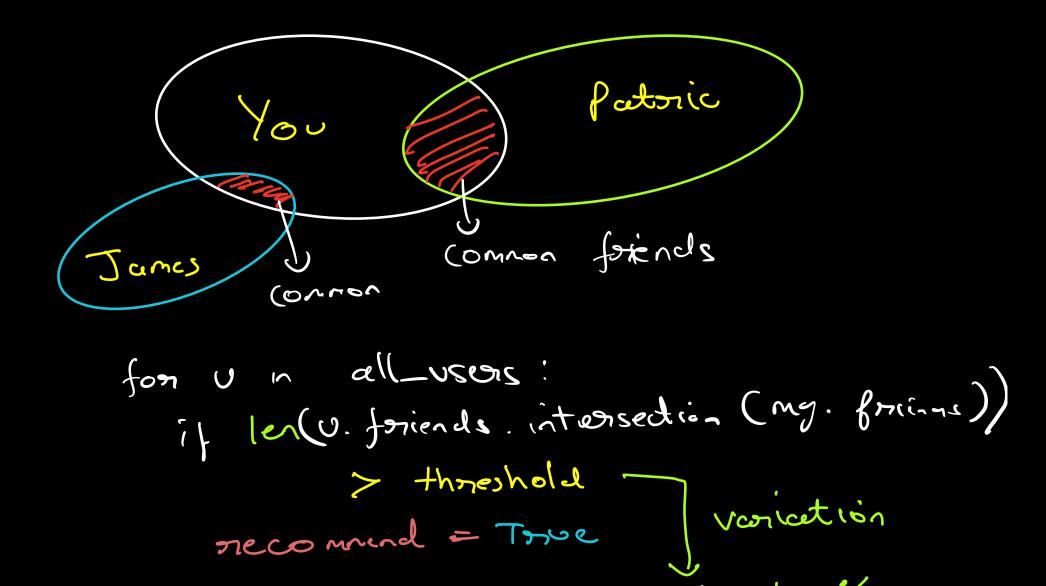
You may also know:

To Gryan Among

How con you -> Patrick peterson

design this -> :

system?



convert to 1.

## Why are they useful?

-> increase in revenue!

> better uson exporience!

E-commence
people may buy
more products

more money \$#

Social media People will stary

"engaged Innger".

Ly I show add after

5 songs

Morre users will join

→ more ads / more vours

> more money \$

E-commerce

Similar products

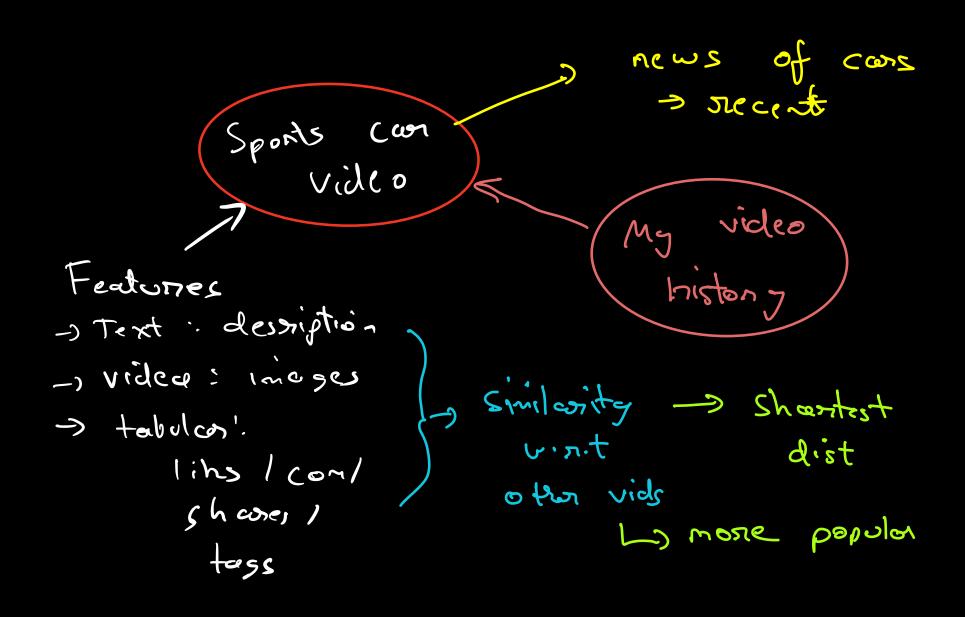
RAM ROM Processon Price OS... user is looking est: Dell XPS 8 GR-15 Recomendation - ? List of suggestions?

ncemin 5 Tecomoial del XPS 8-is 298 cluston. Bolessionel Distance Cos cosine eudiem,

#### People who bought this also bought... La iphone: case Dote bessed: ceinpods iwetch Apriconi wearranty How mong times bread: mille did it happen in butter Jan the poest? C993 4 flight tickets to Kashnis Lo hotels in Kashnis

L) sweaturs.

#### Youtube



#### Broad Ideas

Similarity based

+ Auto encodors (NN) Simple logic bosed Sys (0-occurance) Regnession / basicl Other / misc/ combinistions popul-sity/ collaborative neceuch filtering

\* could be many morre types of ideas

### Feedback Signals

- l: How can you tell if a ver would appreciate your recomendat on any item in general?
- -> Buy? How many?
  - -> Wishlist,
  - -> View page # times, # mins
  - -) Waitch video?

Ly % weatched

- -> like / share (con / nating
- Add to playlist ( download lete...